



appendix e:
pilot project
cost estimates

FAIRMONT PARK

El Cerrito Urban Greening

El Cerrito , CA

Fairmont Park

OPINION OF CONSTRUCTION COSTS

Moore Iacofano Goltsman, Inc.

January 27,2015

<i>SUMMARY</i>	
GENERAL	\$24,000
SITE PREPARATION	\$23,295
EARTHWORK	\$36,852
UTILITIES	\$38,000
LIGHTING	\$30,000
WALLS/ FENCES	\$19,125
CONCRETE WORK	\$71,920
MISC PAVING AND LANDSCAPE IMPROVEMENTS	\$61,028
IRRIGATION	\$50,825
PLANTING	\$50,218
SITE FURNISHINGS	\$28,250
IMPACT ATTENUATING SURFACING	\$1,430
PLAY AREA ELEMENTS	\$14,400
PUBLIC ART	\$10,000
SUBTOTAL PLAY AREA IMPROVEMENTS	\$459,343
12% Contractor's O & P	\$55,121
25% Design Contingency	\$114,836
TOTAL PLAY AREA	\$629,299
Say	\$630,000

El Cerrito Urban Greening
El Cerrito, CA

Fairmont Park

OPINION OF CONSTRUCTION COSTS

Moore Iacofano Goltsman, Inc.

January 27, 2015

Overall Site-	49600	SF	=	1.14 AC
Ohlone Greenway Pathway and Landscaping Under BART	-11200	SF		
Landscape Areas east of BART Track	-7690	SF		
Park Improvements Area	30710	SF	=	0.71

Park Improvements

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
GENERAL					\$24,000
Mobilization	1	ls	\$20,000.00	\$20,000.00	
Tree Protection & Pruning of existing trees	1	ls	\$1,500.00	\$1,500.00	
Temporary Erosion and Sediment control	1	ls	\$2,500.00	\$2,500.00	
SITE PREPARATION					\$23,295
Turf Removal	20000	sf	\$0.25	\$5,000.00	
Selective Clearing and Grubbing	10000	sf	\$0.75	\$7,500.00	
AC Walkway Demolition	5060	sf	\$1.75	\$8,855.00	
Concrete Curb Demolition	70	lf	\$4.00	\$280.00	
Concrete Steps Demolition	32	lf	\$5.00	\$160.00	
Miscellaneous Landscape Demo/Rough Grade Cleanup	1	ls	\$1,500	\$1,500.00	
EARTHWORK					\$36,852
Site Grading	24568	sf	\$1.50	\$36,852.00	
UTILITIES					\$38,000
1" PVC Sched. 40 Domestic Water Line	300	lf	\$10	\$3,000.00	
Area Drains	4	ea	\$1,000	\$4,000.00	
Catch Basin	1	ea	\$1,500	\$1,500.00	
Perforated Drain Line	100	lf	\$20	\$2,000.00	
Storm Drain Lines, 4" PVC	250	lf	\$20	\$5,000.00	
Clean-Outs	3	ea	\$400	\$1,200.00	
Storm Drain Connection to (E) System	1	ea	\$2,500	\$2,500.00	
Drain Inlet at EWF area	1	ea	\$900	\$900.00	
Drain Inlet at sand area	1	ea	\$900	\$900.00	
Potable Water -Point of Connection	1	ea	\$2,000	\$2,000.00	
New Water Meter	1	ea	\$6,000	\$6,000.00	
Domestic Backflow and Enclosure	1	ea	\$1,500	\$1,500.00	
Undergrounding Electrical lines in PVC conduit	250	lf	\$30	\$7,500.00	
LIGHTING					\$30,000
New Park Lighting	4	ea	\$5,000.00	\$20,000.00	
Electrical Service & Light Controls	1	ls	\$10,000.00	\$10,000.00	
WALLS/ FENCES					\$19,125
Park Entry Sign	1	ea	\$6,500.00	\$6,500.00	
Stone Wall (14" high)	85	lf	\$125.00	\$10,625.00	
Signs - miscellaneous	1	ls	\$2,000.00	\$2,000.00	
CONCRETE					\$71,920
Concrete sidewalk paving at Eureka Ave. Colored	670	sf	\$9.50	\$6,365.00	
8' wide Concrete Paving - Vehicular grade, plain	2660	sf	\$10.00	\$26,600.00	
Concrete Paving - Pedestrian grade	1655	sf	\$8.00	\$13,240.00	
Concrete Seatwall (colored and sandblast finish)@ Eureka Entry	85	lf	\$150.00	\$12,750.00	
Concrete Seatwall (colored and sandblast finish)@ N. Park Entry	24	lf	\$150.00	\$3,600.00	
Concrete Mow Strip	170	lf	\$12.00	\$2,040.00	
Concrete curb @ wood fiber	45	lf	\$25.00	\$1,125.00	
Concrete curb/retaining wall average 3' high @ wood fiber	45	lf	\$60.00	\$2,700.00	
Deep Concrete curb @ EWF	50	lf	\$40.00	\$2,000.00	
Curb Ramp into Engineered Wood Fiber (EWF)	1	ea	\$1,500.00	\$1,500.00	

El Cerrito Urban Greening Plan - Appendix

Park Improvements

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
MISC PAVING AND LANDSCAPE IMPROVEMENTS					\$61,028
Decomposed Granite (DG) paving at play area	472	sf	\$4.50	\$2,124.00	
DG paving at community garden	422	sf	\$4.50	\$1,899.00	
Special Paving at Overlook - Flagstone	680	sf	\$25.00	\$17,000.00	
Pergola at Overlook	560	sf	\$40.00	\$22,400.00	
Boulders	50	ea	\$200.00	\$10,000.00	
Stone Slabs -6" x 2' x 6'	15	ea	\$400.00	\$6,000.00	
Tree Trunk	1	ea	\$500.00	\$500.00	
Edging for DG paving	170	lf	\$6.50	\$1,105.00	
IRRIGATION					\$50,825
Automatic Irrigation System - Groundcover /Shrub Planting Areas	4800	sf	\$3.50	\$16,800.00	
Automatic Irrigation System - Turf Areas	12370	sf	\$2.50	\$30,925.00	
Repair System @ (E) system along Ohlone Greenway	1	ls	\$2,500.00	\$2,500.00	
Community Garden (4500sf) - Hose bibs	4	ea	\$150.00	\$600.00	
PLANTING					\$50,218
Soil Preparation	17170	sf	\$0.75	\$12,877.50	
Import topsoil at Community garden area	4500	sf	\$1.00	\$4,500.00	
New Turf - Sod	9896	sf	\$0.45	\$4,453.20	
Repair Turf (Seeded)	2474	sf	\$0.50	\$1,237.00	
Groundcover/Shrub Planting Areas	4800	sf	\$4.50	\$21,600.00	
Trees (15 gal)	10	ea	\$125.00	\$1,250.00	
Trees (24" Box)	4	ea	\$275.00	\$1,100.00	
60-day Landscape Maintenance (1 day/wk - half day)	1	ls	\$3,200.00	\$3,200.00	
SITE FURNISHINGS					\$28,250
Barbeque (Single)	1	ea	\$750.00	\$750.00	
Platform Bench (Plop Bench) 5' SQ.	1	ea	\$1,500.00	\$1,500.00	
Manufactured 6' Benches w/ Backs	3	ea	\$1,700.00	\$5,100.00	
5' square Plop bench	1	ea	\$3,500.00	\$3,500.00	
Accessible Drinking Fountain w/pet fountain	1	ea	\$5,000.00	\$5,000.00	
Picnic Table	2	ea	\$1,200.00	\$2,400.00	
Kiosk	1	ea	\$4,000.00	\$4,000.00	
Bike Rack	8	ea	\$300.00	\$2,400.00	
Trash Cans	4	ea	\$900.00	\$3,600.00	
IMPACT ATTENUATING SURFACING					\$1,430
Engineered Wood Fiber (12" deep) 750sf	22	cy	\$65.00	\$1,430.00	
PLAY AREA ELEMENTS					\$14,400
Play House	2	ea	\$4,500.00	\$9,000.00	
4' high Slide	1	ea	\$900.00	\$900.00	
See-Saw	1	ea	\$4,500.00	\$4,500.00	
PUBLIC ART					\$10,000
Public Art - Mural at existing retaining wall	1	ls	\$10,000.00	\$10,000.00	
SUBTOTAL PLAY AREA IMPROVEMENTS					\$459,343
12% Contractor's O & P					\$55,121
25% Design Contingency					\$114,836
TOTAL PLAY AREA					\$629,299

Estimated Additional Project Costs

Site Topographical Survey	\$12,000
Design and Engineering	\$65,000
City Administration Cost	\$65,000
Permitting	\$50,000

LOWER FAIRMOUNT AVENUE

El Cerrito Urban Greening
El Cerrito , CA
Lower Fairmount Avenue
OPINION OF CONSTRUCTION COSTS
 Moore Iacofano Goltsman, Inc.
 April 2015

SUMMARY		
	Concept Plan	Alternative
GENERAL	\$14,000	\$14,000
SITE PREPARATION	\$25,880	\$73,510
EARTHWORK	\$18,000	\$18,000
UTILITIES	\$33,000	\$33,000
AC PAVING	\$44,000	\$5,000
LIGHTING	\$20,000	\$20,000
WALLS/ FENCES	\$31,700	\$31,700
CONCRETE	\$75,430	\$209,680
LANDSCAPE IMPROVEMENTS	\$13,335	\$13,335
IRRIGATION	\$5,530	\$5,530
SITE FURNISHINGS	\$25,250	\$25,250
PUBLIC ART	\$20,000	\$20,000
SUBTOTAL PLAY AREA IMPROVEMENTS	\$326,125	\$469,005
12% Contractor's O & P	\$39,135	\$56,281
30% Design Contingency	\$97,838	\$140,702
TOTAL	\$463,098	\$665,987
Say	\$465,000	\$670,000

El Cerrito Urban Greening

El Cerrito , CA

Lower Fairmont Avenue

OPINION OF CONSTRUCTION COSTS

Moore Iacofano Goltsman, Inc.

March ,2015

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
GENERAL					\$14,000
Mobilization	1	ls	\$10,000.00	\$10,000.00	
Tree Protection & Pruning of existing trees	1	ls	\$1,500.00	\$1,500.00	
Temporary Erosion and Sediment control	1	ls	\$2,500.00	\$2,500.00	
SITE PREPARATION					\$25,880
Concrete curb/gutter demolition & removal	760	lf	\$4.00	\$3,040.00	
AC removal	3600	sf	\$3.00	\$10,800.00	
Planting removal	1200	sf	\$2.50	\$3,000.00	
Concrete Sidewalk demolition	1200	sf	\$3.50	\$4,200.00	
AC saw cut	120	lf	\$4.50	\$540.00	
AC removal at Medical Building (120' x 5')	600	sf	\$3.00	\$1,800.00	
Remove Street Lights	2	ea	\$500.00	\$1,000.00	
Miscellaneous Landscape Demo/Rough Grade Cleanup	1	ls	\$1,500	\$1,500.00	
EARTHWORK					\$18,000
Site Grading	12000	sf	\$1.50	\$18,000.00	
UTILITIES					\$33,000
New Catch Basin	1	ea	\$2,000	\$2,000.00	
Storm Drain Lines, 4" PVC	250	lf	\$20	\$5,000.00	
Storm Drain Connection to (E) System	1	ea	\$2,500	\$2,500.00	
Potable Water - Point of Connection	1	ea	\$2,000	\$2,000.00	
New Water Meter	1	ea	\$6,000	\$6,000.00	
New Electrical Outlets at Plaza	1	ea	\$1,500	\$1,500.00	
Reset Utility boxes and vaults	1	allow	\$10,000	\$10,000.00	
Relocate Pedestrian Crossing Light	1	ea	\$2,500	\$2,500.00	
Relocate Irrigation Backflow and Enclosure	1	ea	\$1,500	\$1,500.00	
AC PAVING					\$44,000
AC Roadway patch at former median	2000	sf	\$9.00	\$18,000.00	
Miscellaneous AC patching	1	ls	\$2,500.00	\$2,500.00	
Slurry Seal	10500	sf	\$2.00	\$21,000.00	
Striping & Lane Markers	1	ls	\$2,500.00	\$2,500.00	
LIGHTING					\$20,000
New Street Lighting	4	ea	\$5,000.00	\$20,000.00	
WALLS/ FENCES					\$31,700
Concrete Seat/History Wall	178	lf	\$150.00	\$26,700.00	
Signs - miscellaneous	1	ls	\$5,000.00	\$5,000.00	
CONCRETE					\$75,430
8' wide Concrete Paving - Vehicular grade colored and textured	720	sf	\$15.00	\$10,800.00	
Concrete Paving - Pedestrian grade	4220	sf	\$11.00	\$46,420.00	
Concrete Curb and Gutter	315	lf	\$30.00	\$9,450.00	
Truncated dome strip	130	lf	\$12.00	\$1,560.00	
Concrete curb ramp at intersections	4	ea	\$1,800.00	\$7,200.00	

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
LANDSCAPE IMPROVEMENTS					\$13,335
Drought tolerant planting incl. soil prep	1580	sf	\$4.50	\$7,110.00	
Trees (24" Box)	11	ea	\$275.00	\$3,025.00	
60-day Landscape Maintenance (1 day/wk - half day)	1	ls	\$3,200.00	\$3,200.00	
IRRIGATION					\$5,530
Automatic Irrigation System - Groundcover /Shrub Planting Areas	1580	sf	\$3.50	\$5,530.00	
SITE FURNISHINGS					\$25,250
Manufactured 6' Benches w/ Backs	4	ea	\$1,200.00	\$4,800.00	
Accessible Drinking Fountain w/pet fountain	1	ea	\$3,500.00	\$3,500.00	
Kiosk	1	ea	\$4,500.00	\$4,500.00	
Trash Cans	2	ea	\$600.00	\$1,200.00	
Bollards	15	ea	\$750.00	\$11,250.00	
PUBLIC ART					\$20,000
Interpretive Art for History Wall	1	ls	\$20,000.00	\$20,000.00	
SUBTOTAL IMPROVEMENTS					\$326,125
12% Contractor's O & P					\$39,135
30% Design Contingency					\$97,838
TOTAL					\$463,098

Say **\$465,000**

Estimated Additional Project Costs

Site Topographical Survey	\$12,000
Design and Engineering (15%)	\$69,750
City Administration Cost (15%)	\$69,750
Permitting	??

El Cerrito Urban Greening
El Cerrito , CA
Lower Fairmont Avenue
OPINION OF CONSTRUCTION COSTS
 Moore Iacofano Goltsman, Inc.
 April ,2015

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
GENERAL					\$14,000
Mobilization	1	ls	\$10,000.00	\$10,000.00	
Tree Protection & Pruning of existing trees	1	ls	\$1,500.00	\$1,500.00	
Temporary Erosion and Sediment control	1	ls	\$2,500.00	\$2,500.00	
SITE PREPARATION					\$73,510
Concrete curb/gutter demolition & removal	760	lf	\$4.00	\$3,040.00	
AC removal - AC and 3" base rock	12550	sf	\$3.50	\$43,925.00	
Planting removal	1200	sf	\$2.50	\$3,000.00	
Concrete Sidewalk demolition	1200	sf	\$3.50	\$4,200.00	
AC saw cut	120	lf	\$4.50	\$540.00	
AC removal at Medical Building (120' x 5')	600	sf	\$3.00	\$1,800.00	
Base rock placement and compaction for Vehicular Concrete	9670	sf	\$1.50	\$14,505.00	
Remove Street Lights	2	ea	\$500.00	\$1,000.00	
Miscellaneous Landscape Demo/Rough Grade Cleanup	1	ls	\$1,500	\$1,500.00	
EARTHWORK					\$18,000
Site Grading	12000	sf	\$1.50	\$18,000.00	
UTILITIES					\$33,000
New Catch Basin	1	ea	\$2,000	\$2,000.00	
Storm Drain Lines, 4" PVC	250	lf	\$20	\$5,000.00	
Storm Drain Connection to (E) System	1	ea	\$2,500	\$2,500.00	
Potable Water - Point of Connection	1	ea	\$2,000	\$2,000.00	
New Water Meter	1	ea	\$6,000	\$6,000.00	
New Electrical Outlets at Plaza	1	ea	\$1,500	\$1,500.00	
Reset Utility boxes and vaults	1	allow	\$10,000	\$10,000.00	
Relocate Pedestrian Crossing Light	1	ea	\$2,500	\$2,500.00	
Relocate Irrigation Backflow and Enclosure	1	ea	\$1,500	\$1,500.00	
AC PAVING					\$5,000
Miscellaneous AC patching	1	ls	\$2,500.00	\$2,500.00	
Striping and Lane Markers	1	ls	\$2,500.00	\$2,500.00	
LIGHTING					\$20,000
New Street Lighting	4	ea	\$5,000.00	\$20,000.00	
WALLS/ FENCES					\$31,700
Concrete Seat/History Wall	178	lf	\$150.00	\$26,700.00	
Signs - miscellaneous	1	ls	\$5,000.00	\$5,000.00	
CONCRETE					\$209,680
Concrete Paving - Vehicular grade colored and textured	9670	sf	\$15.00	\$145,050.00	
Concrete Paving - Pedestrian grade	4220	sf	\$11.00	\$46,420.00	
Concrete Curb and Gutter	315	lf	\$30.00	\$9,450.00	
Truncated dome strip	130	lf	\$12.00	\$1,560.00	
Concrete curb ramp at intersections	4	ea	\$1,800.00	\$7,200.00	

DESCRIPTION	QUANT.	UNIT	COST EXTENSION		TOTAL
LANDSCAPE IMPROVEMENTS					\$13,335
Drought tolerant planting incl. soil prep	1580	sf	\$4.50	\$7,110.00	
Trees (24" Box)	11	ea	\$275.00	\$3,025.00	
60-day Landscape Maintenance (1 day/wk - half day)	1	ls	\$3,200.00	\$3,200.00	
IRRIGATION					\$5,530
Automatic Irrigation System - Groundcover /Shrub Planting Areas	1580	sf	\$3.50	\$5,530.00	
SITE FURNISHINGS					\$25,250
Manufactured 6' Benches w/ Backs	4	ea	\$1,200.00	\$4,800.00	
Accessible Drinking Fountain w/pet fountain	1	ea	\$3,500.00	\$3,500.00	
Kiosk	1	ea	\$4,500.00	\$4,500.00	
Trash Cans	2	ea	\$600.00	\$1,200.00	
Bollards	15	ea	\$750.00	\$11,250.00	
PUBLIC ART					\$20,000
Interpretive Art for History Wall	1	ls	\$20,000.00	\$20,000.00	
SUBTOTAL IMPROVEMENTS					\$469,005
12% Contractor's O & P					\$56,281
30% Design Contingency					\$140,702
TOTAL					\$665,987

	Say	\$670,000
Estimated Additional Project Costs		
Site Topographical Survey	\$12,000	
Design and Engineering (15%)	\$99,000	
City Administration Cost (15%)	\$99,000	
Permitting	??	

HILLSIDE NATURAL AREA

Below are estimate breakdowns for a range of costs to complete a Hillside Natural Area Master Plan:

LOW: \$100,000

- Community outreach includes:
 - A. 1 workshop
 - B. community intercept survey
 - C. 2x stakeholder group interviews
- Background Research includes:
 - A. Existing GIS mapping
- Preparation of programming bubble diagrams

MEDIUM: \$200,000

- Community outreach includes:
 - A. 1 workshop
 - B. 1 community meeting
 - C. 1 intercept survey
 - D. 3 stakeholder group interviews
- Background research includes:
 - A. Aerial survey
 - B. Existing GIS Mapping
- Preparation of programming and conceptual alternative, including trail use and design guidelines

HIGH: \$300,000

- Community Outreach includes:
 - A. 2 Workshops
 - B. 1 community meeting
 - C. 3 intercept surveys
 - D. 5 stakeholder group interviews
- Background research includes:
 - A. Topographic survey and field verification
 - B. On the ground delineation of sensitive biological habitat
- Preparation of 3 Alternatives, including trail use and design guidelines

Preliminary Opinion of Probable Costs

El Cerrito Hillside Natural Area
El Cerrito, California

March 13, 2015

DESCRIPTION	QUANT.	UNIT	COST	EXTENSION	TOTAL
Existing Trail Improvements (5 miles)					\$32,650
Minor Site Grading and Trail Construction (50% of existing, Avg 4' W)	52800	sf	\$0.50	\$26,400	
Clearing and Grubbing (25%)	1.25	mi	\$5,000	\$6,250	
New Trails (0.5 Miles)					\$12,100
Site Grading and Trail Construction	13200	sf	\$0.50	\$6,600	
Clearing and Grubbing	0.5	mi	\$5,000	\$2,500	
Wayfinding and Interpretive Signs	2	ea	\$1,500	\$3,000	
Nature Trail (1 mile)					\$21,200
Site Grading and Trail Construction	26400	sf	\$0.50	\$13,200	
Clearing and Grubbing	1	mi	\$5,000	\$5,000	
Wayfinding and Interpretive Signs	2	ea	\$1,500	\$3,000	
Trailheads/Gateways (7)					\$25,200
Wood Bollards	35	ea	\$300	\$10,500	
Wayfinding and Interpretive Signs	7	ea	\$1,500	\$10,500	
(7) 20 X10 DG running surface	1400	sf	\$3.00	\$4,200	
Fire Supression and Restoration Planting					\$85,000
Remove existing trees (diseased, hazardous)	10	ea	\$1,000.00	\$10,000	
Restoration Planting	1	ac	\$75,000.00	\$75,000	
Creek Enhancement					\$80,000
Debris Removal	1	ls	\$5,000	\$5,000	
Restoration Planting	1	ac	\$75,000	\$75,000	
Street Crossing/Trail Connection/ Ped Improvement					\$459,750
Saw cut and remove existing concrete sidewalk	3000	sf	\$4.00	\$12,000	
Clear and grub at existing planting areas	7000	sf	\$0.50	\$3,500	
Concrete ADA Ramp (with truncated domes)	14	ea	\$1,500	\$21,000	
Sidewalk Repairs	500	sf	\$8	\$4,000	
Site Furnishings Allowance(bollards, trash receptacles)	1	allow	\$10,000	\$10,000	
Special Paving Ped. Zone	19250	sf	\$21	\$404,250	
Pavement Signing and Striping	1	allow	\$2,000	\$2,000	
Greenway Sign, Wayfinding and Interpretive Signs	2	ea	\$1,500	\$3,000	
New Bike Skills Park					\$100,000
	1	allow	\$100,000	\$100,000	
SUBTOTAL IMPROVEMENTS					\$815,900
25% General Conditions, Mobilization, Contractor's O & P					\$203,975
TOTAL					\$1,019,875
10% Construction Contingency					\$101,988
25% Project Management/Non-construction Costs					\$254,969
15% Monitoring, On-site/field Implementation & Construction Supervision					\$152,981
TOTAL IMPROVEMENTS					\$1,529,813
SAY					\$1,530,000

BLUE TO GREEN CONNECTIONS

Blue to Green Route		Route Segment	Type of Improvements	Other Related/Applicable City Project	Number of Blocks	Distance (miles)	Total Cost	Cost Estimate Notes
Blue-to-Green Route One								
1	Entire Route		Wayfinding	ATP Priority Project 3 (Citywide Wayfinding), ATP Priority Project 6 (East Side Bicycle Boulevard Wayfinding)	36	3.24	\$25,000	Pro-rated from ATP estimate of \$160,000 - \$240,000 for full citywide bike/walk route wayfinding
1	Cerrito Creek Trail in Creekside Park, Richmond city line to Carlson Blvd/Adams St		Widen trail to Class I multiuse trail	Active Transportation Plan (ATP), Priority Project 1 (BART to Bay Trail Access Improvements)	N/A	0.4	\$400,000	Pro-rated from ATP estimate of \$4,000,000 - \$6,000,000 for full BART to Bay Trail improvements
1	Adams St, Creekside Path to Carlson		Bike Lanes or Sharrows	Active Transportation Plan, Priority Project 1 (BART to Bay Trail Access Improvements)	1	0.03	\$50,000	Pro-rated from ATP estimate of \$4,000,000 - \$6,000,000 for full BART to Bay Trail improvements
1	Carlson Blvd, Adams to Fairmount		Stripe crosswalks, RRFBs, curb extensions, median refuges	Active Transportation Plan, Priority Project 1 (BART to Bay Trail Access Improvements)	1	0.11	\$250,000	Pro-rated from ATP estimate of \$4,000,000 - \$6,000,000 for full BART to Bay Trail improvements
1	Lower Fairmount Ave, Carlson to San Pablo		Bike lanes, Greening, Curb extensions, Pedestrian Improvements	ATP Priority Project 8 (Fairmount Avenue Improvements), Urban Greening Early Implementation Focus Project (Lower Fairmount)	1	0.05	\$450,000	Taken from Urban Greening project estimate; Also considered ATP estimate of \$800,000 - \$1,200,000 for full Fairmount route from Carlson to Albermarle
1	San Pablo Ave (Theater Block), Fairmount to Central		Street Redesign with Super Sharrow Travel Lanes, Street trees, Median Improvements	San Pablo Ave Specific Plan, ATP, ATP Bicycle Improvements + Pedestrian Improvements, El Cerrito Plaza BART Station Area Improvements, ATP Priority Project 2 (Ohlone Greenway Crossing Improvements)	1	0.12	\$100,000	Rough estimate
1	Central Ave, San Pablo to Richmond		Sidewalk Greening and New Street Tree Infill, Super Sharrow lanes, Curb Extensions at Ohlone Greenway		5	0.25	\$250,000	Pro-rated from ATP Estimate of \$500,000+ for streetscape improvements from San Pablo to Ashbury
1	Richmond St, Central to Stockton		Sidewalk Greening and Street Tree Infill, Bulbouts or other Intersection Enhancements, Pedestrian Street Lights, Sidewalk Improvements, Green Sharrows	San Pablo Ave CIP Early Implementation Project, ATP Pedestrian Improvements	3	0.45	\$125,000	Pro-rated from ATP estimated range of \$200,000 - \$500,000 for 1.8 mile stretch of Richmond Street. Pro-rated from ATP estimated range of \$500,000 for 8 block/0.4 mile stretch from San Pablo to Ashbury for Ped/Streetscape; \$200,000 - \$500,000 for intersections at San Pablo, Ohlone, and Ashbury; and \$50,000 for bike sharrows Ohlone to Ashbury
1	Stockton St, Richmond to Norvell		Sidewalk Greening and Street Tree Infill, Bulbouts or other Intersection Enhancements, Pedestrian Street Lights, Special Route Sharrows	ATP Pedestrian Improvements	2	0.1	\$300,000	
1	Norvell St, Stockton to Moeser		Sidewalk Greening and Street Tree Infill, Bulbouts or other Intersection Enhancements, Pedestrian Street Lights, Street Lights	ATP Priority Project 5 (East Side Bicycle Boulevard), ATP Priority Project 6 (East Side Bicycle Boulevard Wayfinding), ATP Bicycle Improvements, (Norvell St, Waldo to Eureka)	2	0.27	\$200,000	Pro-rated from ATP estimate \$1,600,000 - \$2,400,000 for full East Side Bike Blvd route with wayfinding
1	Moeser Lane, Norvell to Shevlin		Sidewalk Widening, Greening and Street Tree Infill, Enhanced Crosswalks or Intersection Enhancements, Pedestrian Street Lights	NONE	6	0.57	\$100,000	Rough estimate
1	Shevlin Drive, Moeser to Arlington Steps		Narrowing or other Traffic Calming Enhancements, Pedestrian Intersection Safety Improvements, Pedestrian Street Lights, Sidewalk Greening and Street Tree Infill	ATP Pedestrian Improvements (Park Trail Connectors)	2	0.11	\$150,000	ATP made no estimate for costs of park trail connector improvements

1	Arlington Steps, Shevlin to Arlington	Vegetation Management, Ped Street Lights, Traffic Calming and Crossing Improvements at King, Contra Costa, and Arlington	ATP Pedestrian Improvements (Hillside Pathways and Stairs)	3	0.17	\$150,000	Pro-rated from ATP estimate of \$1,600,000 - \$2,400,000 for upgrades to all city stairs
1	Arlington Bvd, Arlington Steps to Rifle Range Rd	Upgraded Northside Sidewalk to Thors Bay Rd; Ped Street Lighting, Sidewalk Greening and Street Tree Infill	ATP Pedestrian Improvements (Arlington Blvd)	2	0.25	\$425,000	Pro-rated from ATP estimated range of \$500,000+ for new sidewalk from Arlington Park to Mira Vista Country Club; \$200,000 - \$500,000 for transit stop enhancements; \$50,000 - \$200,000 for intersection crossing improvements at Cutting Blvd, Rifle Range Rd, and Arlington Park; and \$50,000 for bike sharrows
1	Rifle Range Rd, Arlington to Wildcat Trailhead	New Sidewalks or full shared-street redesign, Ped Street Lighting, Bike Lanes or Sharrows	ATP Bike Improvements (Sharrows), ATP Pedestrian Improvements (Park Trail Connectors)	7	0.56	\$150,000	Pro-rated from ATP estimate of \$50,000 for sharrows; ATP made no estimate for costs of park trail connector improvements
Subtotal, Route 1 =				36	3.44	\$3,125,000	

Blue-to-Green Route Two							
2	Entire Route	Wayfinding	ATP Priority Project 3 (Citywide Wayfinding)			\$15,000	Pro-rated from ATP estimate of \$160,000 - \$240,000 for full citywide bike/walk route wayfinding
2	Cypress Ave, Richmond City border to 55th St	Sidewalk Greening and Street Tree Infill, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Green Sharrows	NONE	2	0.13	\$50,000	Rough estimate; Depends on project
2	55th St, Cypress to Potrero Ave	Sidewalk Greening and Street Tree Infill, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Green Sharrows, Potential Class 1 Path along freeway	NONE	2	0.09	\$100,000	Rough estimate; Depends on project
2	Potrero, 55th St to Ohlone Greenway	Bike Lanes, Bulbouts or other Intersection Enhancements, Pedestrian Street Lights, Sidewalk improvements	ATP Priority Project 9 (Potrero Avenue Improvements)	5	0.27	\$750,000	Middle of full ATP estimate of \$600,000 - \$900,000
2	Ohlone Greenway, Potrero to Blake	Curb Extensions, new signage, and RRFB at Blake, RFB and crossing improvements at Potrero	ATP Priority Project 2 (Ohlone Greenway Crossing Improvements)	1	0.08	\$350,000	Pro-rated from ATP estimate \$1,200,000 - \$1,800,000 for all Ohlone Greenway improvements
2	SPUR TRAIL: Ohlone Greenway spur trail, Blake to El Cerrito del Norte BART	Street Redesign and Crossing Improvements at Ohlone Greenway and Hill	Improvements, ATP Priority Project 2 (Ohlone Greenway Crossing Improvements)	1.5	0.25	\$250,000	Pro-rated from ATP estimate \$1,200,000 - \$1,800,000 for all Ohlone Greenway improvements
2	Blake Street, Ohlone Greenway to Hillside Natural Area at Navellier St	Sidewalk Greening and Street Tree Infill, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Special Sharrows	NONE	8	0.42	\$125,000	Pro-rating Richmond Street estimate (\$200,000 - \$500,000 for 1.8 mile stretch of Richmond)
2	Motorcycle Hill Trail in Hillside Natural Area, Navellier to Julian Drive stairs at Potrero	New Trail, Trailhead, Grading, Street Crossing Improvements	N/A		0.48	\$500,000	From Urban Greening Cost Estimate for Hillside Natural Area; Includes Potrero Blvd crossing
2	Julian Drive Stairs, Potrero to Madera Circle			2	0.15	\$150,000	Pro-rated from ATP estimate of \$1,600,000 - \$2,400,000 for upgrades to all city stairs
2	Madera Circle/Drive, Julian Drive Stairs to Arlington Blvd			2	0.14	\$50,000	Rough estimate; Depends on project

2	Arlington Blvd, Madera Drive to Blue-to-Green Route 1 at Rifle Range Road				6	0.37	\$425,000	Pro-rated from ATP estimated range of \$500,000+ for new sidewalk from Arlington Park to Mira Vista Country Club; \$50,000 - \$200,000 for intersection crossing improvements at Cutting Blvd, Rifle Range Rd, and Arlington Park; and \$50,000 for bike sharrows
Subtotal, Route 2 = 29.5 2.38 \$2,765,000								

Blue-to-Green Route Three

3	Entire Route	Wayfinding	ATP Priority Project 3 (Citywide Wayfinding)				\$10,000	Pro-rated from ATP estimate of \$160,000 - \$240,000 for full citywide bike/walk route wayfinding
3	Ohlone Greenway, Richmond City Line to Cutting Blvd	Crosswalks or other Striped Intersection Enhancements,	ATP Priority Project 2 (Ohlone Greenway Crossing Improvements)	2	0.13		\$150,000	Pro-rated from ATP estimate \$1,200,000 - \$1,800,000 for all Ohlone Greenway improvements
3	Cutting Blvd, Ohlone Greenway to Snowdon Ave	Bike Lanes, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Sidewalk Greening and Street Tree Infill Sidewalk Greening and Street Tree Infill, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Special Sharrows	ATP Bicycle Improvements, ATP Pedestrian Improvements, ATP Priority Project 7 (Key Boulevard Improvements), San Pablo Ave Specific Plan	4	0.27		\$300,000	Pro-rated from ATP estimated range of \$500,000+ for stretch from San Pablo to Ashbury for Ped/Streetscape; \$200,000 - \$500,000 for intersections at San Pablo, Ohlone, and Ashbury; and \$50,000 for bike sharrows Ohlone to Ashbury
3	Snowdon Ave, Cutting Blvd to Hillside Natural Area trailhead	Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, New Trail, Trailhead, Grading, Vegetation Management		2	0.25		\$100,000	Rough estimate
3	Snowdown trailhead to Blue-to-Green Route 2 trail at Motorcycle Hill			N/A	0.19		\$75,000	From Urban Greening Cost Estimate for Hillside Natural Area;
Subtotal, Route 3 = 8 0.84 \$635,000								

Blue-to-Green Route Four

4	Entire Route	Wayfinding	ATP Priority Project 3 (Citywide Wayfinding)				\$5,000	Pro-rated from ATP estimate of \$160,000 - \$240,000 for full citywide bike/walk route wayfinding
4	Moeser Lane, Shevlin Drive to Arlington/Terrace Drive	Potential New Trail with Roadway Reallocation, Sidewalk Greening and Street Tree Infill, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Sharrows	NONE	6	0.4		\$350,000	Rough estimate; Depends on project
4	Terrace Drive, Arlington to Wildcat Canyon trailhead at Kensington Rd; OR PG&E easement trail, Arlington Blvd to Wildcat Canyon trailhead at Kensington Rd	Bike Lanes, Crosswalks or other Striped Intersection Enhancements, Pedestrian Street Lights, Sidewalk Greening and Street Tree Infill		N/A	0.34		\$125,000	Rough estimate; Depends on project
4	Wildcat Access Trail, Kensington Rd trailhead to Wildcat Creek Trail			N/A	unknown			EBRPD Property
Subtotal, Route 4 = 6 0.74 \$480,000								

Full Totals, All Routes = 79.5 7.4 \$7,005,000